

Malate dehydrogenase as target for herbicides

Abstract

- 5 The present invention relates to malate dehydrogenase,
which, when absent, brings about reduced growth and
chlorotic leaves and is encoded by the nucleic acid sequence
SEQ ID NO:2 or by a functional equivalent of this nucleic
acid sequence, as target for herbicides. For this purpose,
10 novel nucleic acid sequences encompassing SEQ ID NO:2 and
functional equivalents of SEQ ID NO:2 are provided.
Moreover, the present invention relates to the use of the
abovementioned malate dehydrogenase and its functional
equivalents in a method for identifying compounds with
15 herbicidal or growth-regulatory activity, and to the use of
the compounds identified by this method as herbicides or
growth regulators.